

NAVEENAN R. YOGESWARAN

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Education

Rutgers University – New Brunswick

September 2018 – May 2022

- **Major:** Bachelor of Science, Computer Science | **Minor:** Mathematics
- **Cumulative and Major GPA:** 4.0
- **Organizations:** Organizer for HackRU, Peer Tutor for Introduction to Computer Science and Data Structures
- **Relevant Coursework:** Data Structures, Principles of Information and Data Management, Systems Programming, Computer Architecture, Discrete Structures 1&2, Theory of Probability, Linear Optimization

Skills

Programming Languages: Java, Python, C, SQL, JavaScript, HTML, CSS

Tools: Git, Visual Studio Code, Eclipse, Emacs, GDB, MySQL Workbench, SSH, Unix Environment

Technologies: React, Relational Database Design, AWS (EC2 and RDS), MySQL, Java Server Pages (JSP), JDBC, Selenium, Networking, Multi-threading

Work Experience

Research Assistant

Rutgers University CBIM

May 2020 – Present

- Utilized Python to create script to parse through CSV files in order to read and store the data found
- Utilized JSON libraries to parse through JSON files and update 3000+ entries with data found in CSV files

Personal Projects [Github for Projects](#)

RU-Home

November 2019

- Smart doorbell that uses Azure's Face API to recognize who's at the door and alert the owner with Twilio
- Integrated the facial recognition feature into the app which identifies the person at the door
- Connected Firebase to app which takes images from the database and trains the AI to recognize those faces
- **Technologies:** Python, OpenCV, Azure Face API, Firebase, Twilio, Dragonboard 410c

RU-Single

February 2020

- Bot that uses random forest models to automatically swipe left or right depending on user's preferences
- Created bot, using Selenium, to automatically log on to Tinder and begin swiping left or right until stopped
- Integrated the random forest model into the bot so the bot can predict your preferences
- **Technologies:** Python, OpenCV, Selenium, PIL, NumPy

Battle Ships

August 2018

- Recreation of popular board game of the same name
- Utilized an Object-Oriented Design to create the main functionalities of the program
- Utilized Swing to create a GUI which gives user a good representation of their "board"
- Implemented a save feature which will save your progress after exiting
- **Technologies:** Java, Swing, OOP, Eclipse

Git Recreation

April 2020

- Created a version control system that allows multiple clients to access multiple projects in a repository
- Implemented TCP/IP networking feature that allows clients to access a server from different machines
- Implemented multi-threading feature that allows server to handle multiple client requests
- Integrated multiple features common in VCS such as update/upgrade, commit/push, rollback, etc.
- **Technologies:** C, TCP/IP, Networking, Multi-threading, OpenSSL, Socket Programming

Awards and Acknowledgements

- Member of the Rutgers University School of Arts and Sciences Honors Program
- School of Arts and Sciences Excellence Award March 2020
- Truveris Best HealthCare Related Hack (HackTCNJ 2018 for Drinkapedia) February 2018
- Best Use of Twilio (HackNJIT 2019 for RU-Home) November 2019